

Siddhant Agarwal

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EDUCATION

Rensselaer Polytechnic Institute

Aug 2021 - May 2025

Bachelor of Science in Computer Science; GPA: 3.52

Troy, NY

Relevant Coursework: Data Structures, Intro to Algorithms, Foundations of CS, Principles of Software, CS 1, Machine Learning From Data, Operating Systems, Software Design/Documentation, Linear Algebra, Differential Equations, Intro to Cognitive Science

SKILLS

Coding Languages: Advanced: C/C++ Python Basic: C#, Java, JavaScript, HTML, MIPS, Arduino, MySQL, ASP.NET, VB.NET

Framework/Tools: Numpy, TensorFlow, PyTorch, Pandas, React, Flask, Git, Unity, Eclipse, Spyder, Arduino

Languages: Fluent in Hindi, Proficient in French

EXPERIENCE

Software Developer Intern

Jan 2024 – July 2024

Tenex Software Solutions

Tampa, FL

- Implemented over 50 feature enhancements and bug fixes for Tenex's cloud-based election management software
- Optimized 20+ database queries and stored procedures, and developed and integrated 10 new UI components using .NET, SQL, JavaScript, and Blazor, enhancing user experience and system functionality for election officials
- Pioneered implementation of Blazor framework for next-generation election management software, while resolving over 100 critical client-reported issues across 3 major Tenex products, improving customer satisfaction and software reliability
- Served as customer support for the Chicago primary, providing tech support and ensuring smooth election operations

Undergraduate Teaching Assistant

Sep 2023 – Dec 2023

Rensselaer Polytechnic Institute

Troy, NY

- Conducted weekly office hours, providing support to over 20 students by testing their code, addressing their homework, prepping for tests, and class-related inquiries and graded assignments and exams for more than 100 students

Software Engineer Intern

Jun 2022 - Aug 2022

ThoughtFocus Inc.

Edison, NJ

- Shadowed Software engineers learning automated AI initiatives focused on private equity companies
- Built web pages (Heroku), created a password system (Auth0), and a storage system (Amazon S3)
- Improved platform quality by developing testing suites and scripts, reducing errors/downtime by 80%
- Data extraction using AI: date, time, company and represented the data onto a webpage

Electronics Engineer Intern

Jul 2021

Caregility

Eatontown, NJ

- Organized extensive testing and troubleshooting for network architecture serving 5000+ users on various devices
- Resolved 50+ network issues boosting uptime by 20% and speeding up troubleshooting 10x

PROJECTS

RPI Composite | Javascript, Python

Jun 2023 - Present

- Implemented a web scraping solution using Javascript to consolidate data from multiple college websites into one
- - Improved user performance by cutting page load times by 80% and enhanced client experience with interactive features

SuchLife | C#, Unity

Aug 2023 – Present

- Created 5 unique enemy variants that contributed to a 20% increase in gameplay variety for a 2D C#-powered AI game
- Collaborated with a diverse team (programmers, artists, level-designers) and improved game performance by 15%

Text Generation Training Model | Python

Aug 2023 - Present

- Developed an LSTM-based text generation model in Python, using movie summary data
- Enabled efficient model training for contextually relevant text generation, and improved text generation by 20%

LEADERSHIP

Technology Director/Events Co-Director

Apr 2022 - Present

Society of Asian Scientists and Engineers

Troy, NY

- Revamping the website, launching a new mail system, writing a monthly newsletter, and leading a 7-member committee
- Planned professional, academic, and social, events (4+ per month) and 2 large events (100 attendees)
- Supervised a 13 member committee to plan and facilitate events, assisted other clubs, and supplied with materials